

## **REMARKS**

### **Amendments**

#### ***Revisions to the Specification***

Applicant has amended the specification to correct typographical errors and to insert an equation number that was inadvertently omitted from the specification as filed. No new matter has been added.

### **Rejections**

#### ***Rejections under 35 U.S.C. § 102(b)***

##### **Claims 1-6, 8, 10-17 and 19**

Claims 1-6, 8, 10-17 and 19 rejected under 35 U.S.C. § 102(b) as being anticipated by Sahiner et al., *Iterative Inversion of the Radon Transform*.

Applicant's invention as claimed in claims 1-6, 8, 10-17 and 19 includes the limitation of "constructing a neural network of arbitrary complexity." The Examiner stated that page 112, paragraph 2 of Sahiner discloses the construction of a neural network of arbitrary complexity. Applicant has carefully read the cited paragraph and can find no reference to constructing a neural network of arbitrary complexity. Moreover, Applicant has read all of Sahiner and respectfully submits that there is no mention in Sahiner of the construction of a neural network of any complexity. Applicant respectfully reminds the Examiner that a reference can only anticipate if the reference discloses ***each and every*** limitation of the invention as claimed [MPEP 2131].

Because Sahiner does not disclose Applicant's claimed element of constructing a neural network of arbitrary complexity, Applicant's invention as claimed in claims 1-6, 8, 10-17 and 19 is not anticipated by Sahiner under 35 U.S.C. § 102(b). Accordingly, Applicant respectfully requests the withdrawal of the rejection of claims 1-6, 8, 10-17 and 19.

### **Allowable Subject Matter**

Applicant thanks the Examiner for indicating that claims 7, 9, 18 and 20 contain allowable subject matter if rewritten to include all the limitations of the claims from

which they each originally depended. Applicant believes the claims are allowable as they stand and therefore has not amended the claims in this response.

### **SUMMARY**

Claims 1-20 are currently pending. In view of the foregoing amendments and remarks, Applicant respectfully submits that the pending claims are in condition for allowance. Applicant respectfully requests reconsideration of the application and allowance of the pending claims.

If the Examiner determines the prompt allowance of these claims could be facilitated by a telephone conference, the Examiner is invited to contact Sue Holloway at (408) 720-3476.

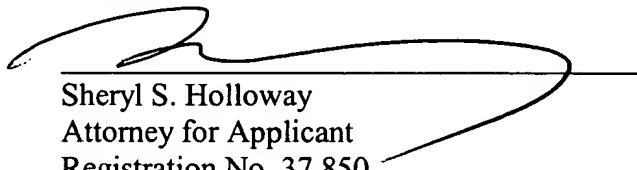
### **Deposit Account Authorization**

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due. Furthermore, if an extension is required, then Applicant hereby requests such extension.

Respectfully submitted,

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& ZAFMAN LLP

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